LISTING OF THE CLAIMS

1-112. (Cancelled).

113. (Currently Amended) An imager structure, comprising:

a pixel array having pixels arranged in rows and columns;

said pixel array comprising a first pixel and a second pixel formed in respectively adjacent columns and in conjunction with an active area spanning ~~between~~ a first associated photodetector of the first pixel and a second associated photodetector of the second pixel but no other photodetectors, said active area having the first associated photodetector and the second associated photodetector at opposite ends of said active and having a two-dimensional shape as the pixel array is viewed from above; and

a common output for charges generated from the first photodetector and the second photodetector at a portion of said active area between said first and second photodetectors, the common output being coupled to a ~~column~~ signal output line shared by the first pixel and the second pixel, wherein the ~~portion~~ two-dimensional shape of said active area ~~to which the common output is connected is configured diagonally~~ between the first and second associated photodetectors is a substantially diagonal shape with respect to an extending direction of said column line within the pixel array.

114. (Currently Amended) The pixel array of claim 113, wherein the active area shared ~~between~~ by the first and second pixels is S-shaped.

115. (Currently Amended) A pixel array, comprising:

a first pixel and a second pixel, the first pixel having a first photodetector and the second pixel having a second photodetector, wherein the first photodetector shares an active area with the second photodetector and no other photodetector, said shared active area providing an output for

said first and second photodetectors and having a two-dimensional shape as the pixel array is viewed from above; and

a common readout line for receiving a signal from said first and second photodetectors coupled to the active area shared by the first pixel and the second pixel, wherein the two-dimensional shape of the shared active area between the first and second photodetectors is ~~oriented diagonally~~ a substantially diagonal shape relative to an extending direction of the common readout line across the pixel array.

116. (Previously Presented) The pixel array of claim 115, wherein the active area shared by the first and second pixels is S-shaped.

117. (Currently Amended) A pixel array, comprising:

a first pixel and a second pixel, said first pixel having a first photodetector and said second pixel having a second photodetector, wherein said first photodetector shares an active area with said second photodetector and no other photodetector and at least one of said first pixel and said second pixel further comprises a reset transistor, said reset transistor comprising a gate, a first source/drain region, and a second ~~source drain~~ source/drain region ~~linearly arranged~~ in a linear arrangement as viewed from above the pixel array, wherein said shared active area between the first and second photodetectors has a substantially diagonal ~~orientation~~ shape relative to the linear arrangement of the reset transistor as the pixel array is viewed from above; and

a common readout line for receiving charge from said shared active area.

118. (New) The pixel array of claim 113, wherein the active area covers the first and second associated photodetectors and a continuous area spanning the first and second associated photodetectors.

119. (New) The pixel array of claim 113, wherein the first pixel and the second pixel are in the same row of the pixel array, but are spatially offset from one another in both an X and a Y dimension as viewed from above the pixel array, wherein the X dimension corresponds to an extending direction of the row across the pixel array and the Y dimension corresponds to an orthogonal direction across the pixel array relative to the X dimension.

120. (New) The pixel array of claim 115, wherein the active area covers the first and second photodetectors and a continuous area spanning the first and second photodetectors.

121. (New) The pixel array of claim 115, wherein the first pixel and the second pixel are in the same row of the pixel array, but are spatially offset from one another in both an X and a Y dimension as viewed from above the pixel array, wherein the X dimension corresponds to an extending direction of the row across the pixel array and the Y dimension corresponds to an orthogonal direction across the pixel array relative to the X dimension.

122. (New) The pixel array of claim 117, wherein the active area covers the first and second photodetectors and a continuous area spanning the first and second photodetectors.

123. (New) The pixel array of claim 117, wherein the first pixel and the second pixel are in the same row of the pixel array, but are spatially offset from one another in both an X and a Y dimension as viewed from above the pixel array, wherein the X dimension corresponds to an extending direction of the row across the pixel array and the Y dimension corresponds to an orthogonal direction across the pixel array relative to the X dimension.